

(19)

Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 1 150 506 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
22.01.2003 Bulletin 2003/04(51) Int Cl. 7: H04N 7/167, H04N 7/173,  
H04N 7/16(43) Date of publication A2:  
31.10.2001 Bulletin 2001/44

(21) Application number: 01660073.6

(22) Date of filing: 25.04.2001

(84) Designated Contracting States:  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR  
Designated Extension States:  
AL LT LV MK RO SI

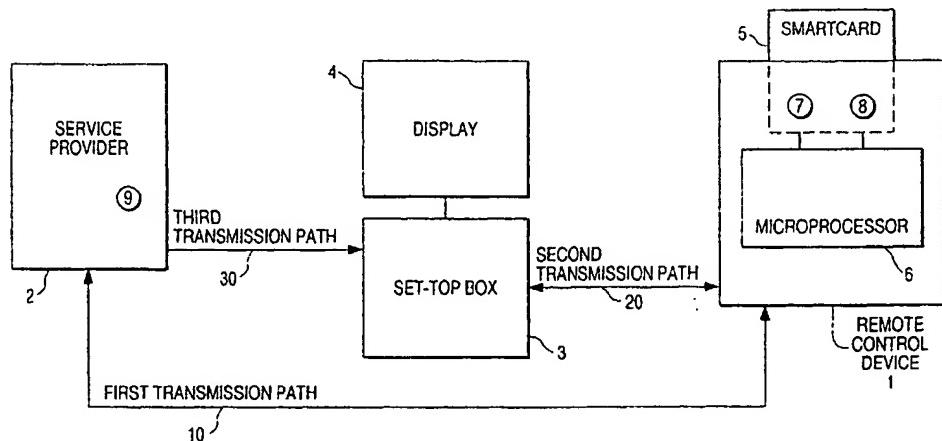
(30) Priority: 28.04.2000 US 559061

(71) Applicant: Nokia Corporation  
02150 Espoo (FI)(72) Inventors:  
• Ikonen, Ari M.  
21280 Raisio (FI)  
• Okkonen, Harri  
Mountain View, CA 94041 (US)  
• Heinonen, Pekka J.  
02100 Espoo (FI)(74) Representative: Johansson, Folke Anders et al  
Nokia Corporation  
P.O. Box 226  
00045 Nokia Group (FI)

## (54) A method and system for providing secure subscriber content data

(57) A personalized smart card stores therein public and private cryptography keys stored which are used to securely request and receive subscriber content data from a service provider, utilizing a remote control device.

FIG. 1



EP 1 150 506 A3



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 01 66 0073

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Y	DE 196 25 689 A (SIEMSEN & CO GMBH & CO) 2 January 1998 (1998-01-02)	1,2,16, 17	H04N7/167
A	* column 4, line 12 - column 7, line 15 *	3-15, 18-30	H04N7/173
	---		H04N7/16
Y	GB 2 241 096 A (ENFRANCHISE SIXTY LTD) 21 August 1991 (1991-08-21)	1,2,16, 17	
A	* the whole document *	3-15, 18-30	
	---		
Y	WO 95 17796 A (URMET SUD COSTR ELETT TELEFON ;MONDARDINI MASSIMO (IT)) 29 June 1995 (1995-06-29)	1,2,16, 17	
A	* abstract *	3-15, 18-30	
	---		
Y	US 4 864 615 A (BENNETT CHRISTOPHER J ET AL) 5 September 1989 (1989-09-05)	1,2,16, 17	
A	* the whole document *	3-15, 18-30	
	---		
A	DE 42 12 200 A (TOSHIBA KAWASAKI KK) 25 February 1993 (1993-02-25)	1-30	
	* abstract *		
	---		
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06, 28 June 1996 (1996-06-28) & JP 08 056348 A (LSI JAPAN KK), 27 February 1996 (1996-02-27)	1-30	
	* abstract *		
	---		
A	US 4 736 422 A (MASON ARTHUR G) 5 April 1988 (1988-04-05)	1-30	
	* abstract *		
	---		
	-/-		
The present search report has been drawn up for all claims			
Place of search <b>BERLIN</b>		Date of completion of the search <b>5 December 2002</b>	Examiner <b>Greve, M</b>
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons  A : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 01 66 0073

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.)
A	GB 2 334 125 A (NDS LTD) 11 August 1999 (1999-08-11) * the whole document *	1-30	
			TECHNICAL FIELDS SEARCHED (Int.Cl.)
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
BERLIN	5 December 2002	Greve, M	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	
EPO FORM 1502 (02-02-00) (version 01)			

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 01 66 0073

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
 The members are contained in the European Patent Office EPO file on  
 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

05-12-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 19625689	A	02-01-1998	DE	19625689 A1	02-01-1998
GB 2241096	A	21-08-1991	AU	7236291 A	03-09-1991
			EP	0515448 A1	02-12-1992
			WO	9112693 A1	22-08-1991
WO 9517796	A	29-06-1995	IT	T0930967 A1	20-06-1995
			WO	9517796 A1	29-06-1995
US 4864615	A	05-09-1989	AT	158914 T	15-10-1997
			AU	605041 B2	03-01-1991
			AU	3527289 A	30-11-1989
			CA	1331790 A1	30-08-1994
			DE	68928355 D1	06-11-1997
			DE	68928355 T2	15-01-1998
			DK	259489 A	28-11-1989
			EP	0343805 A2	29-11-1989
			ES	2107411 T3	01-12-1997
			HK	1003498 A1	30-10-1998
			IE	62913 B1	08-03-1995
			JP	2024694 A	26-01-1990
			JP	2107296 C	06-11-1996
			JP	8016824 B	21-02-1996
			NO	892080 A	28-11-1989
DE 4212200	A	25-02-1993	JP	5054207 A	05-03-1993
			JP	3293848 B2	17-06-2002
			JP	5061508 A	12-03-1993
			DE	4212200 A1	25-02-1993
			FR	2680592 A1	26-02-1993
JP 08056348	A	27-02-1996	JP	3288539 B2	04-06-2002
US 4736422	A	05-04-1988	AT	37762 T	15-10-1988
			DE	3474496 D1	10-11-1988
			EP	0148235 A1	17-07-1985
			WO	8500491 A1	31-01-1985
			JP	5021397 B	24-03-1993
			JP	60501883 T	31-10-1985
			AT	33739 T	15-05-1988
			DE	3470646 D1	26-05-1988
			EP	0151147 A1	14-08-1985
			WO	8500718 A1	14-02-1985
			JP	5025436 B	12-04-1993
			JP	60501882 T	31-10-1985
			US	4802215 A	31-01-1989

EPO FORM P0459  
 For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 01 66 0073

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

05-12-2002

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2334125 A	11-08-1999	GB 2334361 A	18-08-1999
		GB 2329736 A ,B	31-03-1999
		US 6424947 B1	23-07-2002

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82